



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.9502

Job Sheet 166723-H



Part No: 646.9502

Job Qty: 1 ea

Part Name: 206A/B/L-Series Cable Cutter System, Low



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 11/24/17

Created By: Victoria Michaud-Febrille

Type: Stock

Description:

Customer: L3 Army Fleet Support LLC (CARMY01)

Army Fleet Support Cairns Field Bldg 30300 Specker Street Fort Rucker, AL, 36362 USA ph:(334) 255-8373

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter / Supplier	Lead Time
				Setup hrs	Run Hrs		
90	Start up Operation	1 Ea	11/24/17	0.00	0.00	Start up container	
110	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging1	
120	QC	1 pcs	11/24/17	0.00	0.00	QC4	
125	DC	1 pcs	11/24/17	0.00	0.00	DC	
130	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging3	
140	QC21-FG	1 Ea	11/24/17	0.00	0.00	QC21	

Part Op 125 - Photocopy bluefile & type labels per PPP 646.9502

Descriptions: 130 - Identify and pack for shipping as per PPP 646.9502 Location :FG101

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	600.0990 S024505	1 ✓	17	0	0
	600.0991 S024506	1 ✓	5	0	0
	600.1012 S018512	1 ✓	11	0	0
	646.9601	1 ✓	4	0	0
	646.9603 S024554	1 ✓	2	0	0
	646.9810 S024507	1 ✓	2	0	0
	646.9910 S018511	4 ✓	0	0	0
	647.0110 S018510	1 ✓	2	0	0
	647.0111 S018509	1 ✓	19	0	0
	647.0112 S018508	8 ✓	161	0	0
	647.0113 S018502	2 ✓	34	0	0
	647.0114 S018501	1 ✓	44	0	0
	647.0115 S018499	1 ✓	39	0	0
	647.0116 S018497	2 ✓	42	0	0
	647.0210 S018496	1 ✓	1	0	0
	647.0310	2 ✓	17	0	0
	647.0410 S018495	1 ✓	20	0	0
	647.1210 S018492	1 ✓	21	0	0
	AN3-10A S017731	8 ✓	38	0	0
	AN3-11A S017730	8 ✓	77	0	0
	AN3-3A S017726	1 ✓	96	0	0
	AN743-13 S017725	1 ✓	27	0	0
	CCR264SS-3-06 S017722	8 ✓	207	0	0
	CCR264SS3-04 S017719	12 ✓	57	0	0
	CCR264SS3-2 S017716	4 ✓	100	0	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>			Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																	
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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																	
Large Fab ☐	Composite ☐	Supplier ☐																		
Date : _____	QTY Effective : _____			MRB (QSI042) Approval																
Description W	DART AEROSPACE S026714 206A/B/L – Series Cable Cutter System, Low Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com PART NO: 646.9502 Revision: Start up Operation Operation: Mfg Date: 12/22/17 Change No: Job No: 166723-H			Completed By																
				Lead hand / Supervisor Approval Verification																
				QC / QA Coordinator Approval																
Root Cause <table style="width:100%;"> <tr> <td style="width:50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:50%;"> No Re-v ☐ Operatr ☐ Offset/ ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-v ☐ Operatr ☐ Offset/ ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	<table style="width:100%;"> <tr> <td style="width:50%;"> Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width:50%;"> Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> </tr> </table>			Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐												
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OTHER : _____		<table style="width:100%;"> <tr> <td style="width:50%;"> s/Surge ☐ gram ☐ stock Pulled ☐ equence ☐ </td> <td style="width:50%;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>			s/Surge ☐ gram ☐ stock Pulled ☐ equence ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐														
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	CR3212-4-4	01	5017714	1 ✓	390	0	0
	CR3212-5-4		5017712	8 ✓	123	0	0
	CR3213-4-05		5017709	26 ✓	294	0	0
	CR3213-4-1		5017708	14 ✓	300	0	0
5017703x1	CR3213-4-2		fm1383562	18 ✓	343	0	0
	CR3213-4-3		5017699	18 ✓	370	0	0
	CR3213-4-4		5017697	19 ✓	250	0	0
	CR3213-4-6		5017693	20 ✓	397	0	0
	MS21042-08		5017689	54 ✓	0	0	0
	MS21042-3		5017687	17 ✓	0	0	0
	MS21047-3		5017681	6 ✓	233	0	0
	MS21059-3		5017395	2 ✓	411	0	0
5017391	MS21059L08		5017393	4 ✓	62	0	0
	MS24694-S8		5017389	5 ✓	185	0	0
	MS27039-08-06		5017381	4 ✓	25	0	0
	MS27039-08-09		5017380	4 ✓	148	0	0
	MS27039-08-11		5017298	43 ✓	1,598	0	0
	MS27039-08-12		5017297	2 ✓	696	0	0
	MS27039-08-13		5017296	6 ✓	191	0	0
	MS27039-1-08		5017295	5 ✓	515	0	0
	MS27039-1-11		5017294	5 ✓	240	0	0
	MS35842-11		5017293	1 ✓	39	0	0
	NAS1149F0332P		5017291	62 ✓	3,231	0	0
	NAS1149FN832P		5017290	111 ✓	4,525	0	0
	NAS1835-08		5017281	4 ✓	149	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

REF. ONLY

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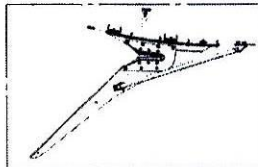
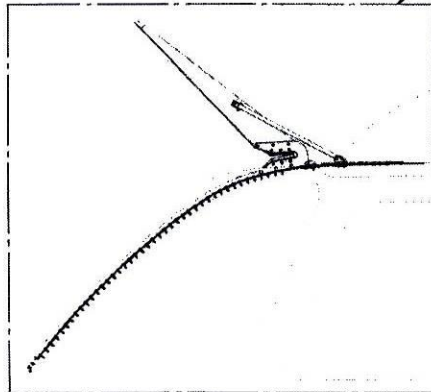
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

UNINCORPORATED ECN(s)

02729, 02736, 03047

DETAIL A



DETAIL B

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAGNABOND 6398 PART B		
1	1	47	600.0990 MAGNABOND 6398 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	

REV	DESCRIPTION	DATE	APPROVED
LAST PROTOTYPE REVISION P2			JUC
INITIAL RELEASE		01/03/09	P. BRAYO

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LAST PROTOTYPE REVISION P2			JUC
INITIAL RELEASE		01/03/09	P. BRAYO

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
47	47	41	601.2893 SCREW	MS27039-0811	
1	1	40	601.2982 HOSE CLAMP	MS35942-11	
1	1	39	647.1210 SCREEN		
5	5	38	601.1621 SCREW	MS27039-1-08	
14	14	37	601.2979 RIVET	CR3213-4-1	
4	4	36	601.2984 INSERT	MS1835-06	
4	4	35	601.2277 RIVET	CR3213-4-1	
8	8	34	601.2983 RIVET	CR3212-5-4	
12	12	33	601.2980 NUTPLATE RIVET	CR3213-4-1	
1	1	32	601.2822 BOLT	AN3-3A	
1	1	31	601.2985 BRACKET	AN742-13	
2	2	30	601.1900 NUTPLATE	MS21059-3	
6	6	29	601.2988 SCREW	MS27039-0813	
53	53	28	601.2973 LOCKNUT	MS21042-08	
6	6	27	600.0795 NUTPLATE	MS21047-3	
18	18	26	601.0790 RIVET	CR3213-4-3	
18	18	25	601.1039 RIVET	CR3213-4-2	
19	19	24	601.1915 RIVET	CR3213-4-4	
20	20	23	601.2991 RIVET	CR3213-4-4	
26	26	22	601.1183 RIVET	CR3213-4-5	
4	4	21	601.2356 NUTPLATE	MS21059-08	
8	8	20	601.2981 NUTPLATE RIVET	CR3213-4-5	
17	17	19	601.2943 LOCKNUT	MS21042-3	
16	16	18	601.2826 BOLT	AN3-11A	
46	46	17	601.1607 WASHER	MS11099-083P	
114	114	16	601.2764 WASHER	MS11099-083P	
1	1	15	647.0115 CLIP		
1	1	14	647.0114 CLIP		
1	1	13	647.0410 TUBE		
2	2	12	647.0116 DOUBLER		
1	1	11	647.0111 PANEL		
2	2	10	647.0113 STRUT DOUBLER		
8	8	9	647.0112 STRUT BRACKET		
4	4	8	646.9910 STRUT		
2	2	7	647.0310 CHANNEL		
1	1	6	647.0110 ROOF DOUBLER		
1	1	5	647.0210 RAIL		
1	1	4	646.9810 DEFLECTOR		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	2	646.9602 LOWER CUTTER ASSY HIGH		
1	1	1	646.9601 UPPER CUTTER ASSY		
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH		

NEXT ASSY (5)

ORIGINAL DWR
DRAWN BY
W. JOHNSON
CHECKED BY
D. BAYLOR
DRAWING APPROVAL
DATE
CONTRACT NO.

PARTS LIST
APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300
206 CABLE CUTTERS KIT
SEE CAGE CODE DTD NO
B 07M26 646.9500 REV
SCALE NONE SHEET 1 OF 3

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF:	CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS					

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO